



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

JAMES H. TROGDON, III  
SECRETARY

**MEMORANDUM**

**To:** Joint Legislative Transportation Oversight Committee

**From:** Allan Paul  
Acting Rail Division Director

**Date:** December 1, 2017

**Subject:** Rail Division Five-Year Spending Plan for FRRCSI)  
Senate Bill 257

In accordance with Senate Bill 257, attached is the 2018-2022 Five-Year Spending Plan for the Freight Rail and Rail Crossing Safety Improvement (FRRCSI) Program. This Spending Plan identifies proposed rail infrastructure and improvement plans to assist short line railroads, provide rail industrial access and improve highway-railroad crossing safety for the enhancement of freight rail service and diversion of freight from highways to rail.

Since the start of the FRRCSI program in 2013, the allocated funding has assisted 62 short line and rail industrial access projects, created over 2,300 jobs and leveraged over \$42,000,000 in matching investment funds. In addition, 95 projects have been funded for crossing safety improvements. The Five-Year Spending Plan identifies railroad project funding needs of \$389,000,000 which far exceeds the current and anticipated annual funding allocation of \$17,500,000, and further indicates that if additional funding is allocated more rail improvements could be achieved through the FRRCSI program. The Five-Year Spending Plan outlines the actual projects and funding requests for SFY 2018 as shown in red for a total of approximately \$17,500,000. Other attachments include maps identifying locations of FRRCSI projects for the Five-Year Spending Plan.

The NCDOT Rail Division supports funding the 2018-2022 Five-Year Spending Plan to continue to address rail improvements. We are available to review and discuss as needed.

AP/sas

Attachments

cc: David Howard, Chief Deputy Secretary  
Julie White, Deputy Secretary Multi-Modal Transportation  
Sandra Stepney, Rail Planning & Development Branch Manager  
Joy Hicks, Government Affairs & Policy Director  
Deans Eatman, Legislative Liaison

North Carolina Department of Transportation Rail Division  
Freight Rail and Rail Crossing Safety Improvement (FRRCSI) Capital Plan  
SFY 2018-2022

Counties	Railroad Operator	Railroad Owner	Project Description	Total Estimated Cost	SFY 2018	SFY 2018 Acutal Submittals	SFY 2019	SFY 2020	SFY 2021	SFY 2022	Comments
SIAP Track Infrastructure											
Buncombe, Haywood, Jackson, Henderson	BLU	BLU	Installation of crossties and ballast, sruface, and modernize bridges on T and W Lines to harden the railroad.	\$ 3,183,550	\$ 639,750		\$ 626,200	\$ 632,700	\$ 639,200	\$ 645,700	
Buncombe, Haywood, Jackson, Henderson	BLU	BLU	Installation of crossties and ballast, sruface, and modernize bridges on T and W Lines.	\$ 3,183,550	\$ 639,750		\$ 626,200	\$ 632,700	\$ 639,200	\$ 645,700	
Buncombe, Haywood, Jackson, Henderson	BLU	BLU	Installation of crossties and ballast, sruface, and modernize bridges on T and W Lines.Submitted for FY 2018: Upgrade bridges T 15.7, 38, 39.9, 40.3, 44.	\$ 4,353,400	\$ 639,750	\$ 1,809,600	\$ 626,200	\$ 632,700	\$ 639,200	\$ 645,700	First 3 projects combined.
Scotland	LRS	LRS	Removal of 67 lb and 85 lb rail and upgrade to 100lb or heavier rail between Laurinburg and Wagram.	\$ 2,500,000	\$ 500,000		\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	No project submitted.
Forsyth Surry Wilkes	YVRR	NS	Rail Replacement on K Line between Rural Hall and Roaring River. Rail Replacement on CF Line between Rural Hall and Mt. Airy. Submitted for FY 2018: Rail replacement in curves on K Line. Tie replacement on K and CF Lines.	\$ 4,710,073	\$ 700,000	\$ 1,210,072.50	\$ 700,000	\$ 700,000	\$ 700,000	\$ 700,000	
Northampton Bertie	NCVA	NCVA	25 miles of rail Replacement, 25,000 ties, and 50 miles of surfacing to harden the railroad.	\$ 10,400,000	\$ 2,080,000		\$ 2,080,000	\$ 2,080,000	\$ 2,080,000	\$ 2,080,000	TIGER grant underway.
Pasquotank	CA	NS	Bridge replacement at MP 41.5 in Elizabeth City	\$ 70,000,000			\$ 28,000,000	\$ 14,000,000	\$ 14,000,000	\$ 14,000,000	CA will need NS approval
Pasquotank	CA	NS	Major bridge rehabilitation at MP 41.5 in Elizabeth City	\$ 20,000,000			\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	CA will need NS approval
Pasquotank Camden Currituck	CA	NS	Rail Replacement, Ties, Surfacing from MP 22 to 51 from Moyock to Elizabeth City.Cross tie replacement and surfacing from MP 22.2 to 51, bridge upgrades at MP 23.2, 29.3, 36.4, 36.6, 36.71, 43.2, 46.5.	\$ 9,746,350		\$ 746,350	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000		
Lee	ATW	ATW	7 miles of rail replacement. 15 miles of surfacing and ballast near Sanford.Submitted for FY 2018: Sanford yard upgrade of 4 turnouts.	\$ 2,207,000	\$ 456,000	\$ 383,000.00	\$ 456,000	\$ 456,000	\$ 456,000	\$ 456,000	
New Hanover	WTRY	NCSPA	1.1 miles of rail replacement, replace 3 turnouts, and 3.5 miles of surfacing and ballast.	\$ 1,008,000				\$ 1,008,000			
Nash	CLNA	CLNA	Replace 85# Rail with 100# Rail, Ties, Surfacing on ABA MP 120 - 134 between Rocky Mount and Momeyer. Submitted for FY 2018: Replace 85# Rail with 100# Rail, Ties, Surfacing on ABA MP 130 - 132 in Nashville. Bridge repairs at NS 126.1, NS 143.7, NS 143.9, NS 146.5, BH 3.5, BH 4.5, BH 7.8.	\$ 1,800,950		\$ 750,950.00	\$ 1,050,000				
Beaufort Pitt Green Wilson	CLNA	NS	Replace 100# Rail with 115 # Rail, Ties Surfacing on NS Line from MP 132 to 194 between Chocowinity and Sims	\$ 2,000,000					\$ 2,000,000		
Wilson Nash Johnston Wake	CLNA	NS	Replace 132# Rail, Ties, and Surfacing on NS Line from MP 194 to 228 between Sims and Raleigh	\$ 1,125,000	\$ 1,125,000						No project submitted.
Beaufort Washington	CLNA	NS	Ties and Surfacing on NS line from MP 90 to 128 between Plymouth and Chocowinity	\$ 975,000			\$ 975,000				
Beaufort	CLNA	CLNA	Ties and Surfacing on BH line from MP 0 - 17 between Pinetown and Belhaver	\$ 450,000				\$ 450,000			
Washington Wake	CLNA	NS	Siding at Hinson (NS line MP 102) and Knightdale Transload (NS Line)	\$ 900,000						\$ 900,000	
Stanly Union											
Mecklenburg	ACWR	NS	Rail Replacement and Surfacing from MP 368 to 380 between Midland and Charlotte	\$ 4,140,000	\$ 4,140,000						No project submitted.
Chatham Moore	ACWR	NS	Ties and Surfacing from MP 282 to 304 from Gulf to Robbins	\$ 1,275,000			\$ 1,275,000				
Mecklenburg	ACWR	NS	Ties and Surfacing from MP 382 to 386.5 in Charlotte	\$ 500,000				\$ 500,000			
Various	ACWR	NS	Complete Bridge Rehabilitation to include stringer replacement on Peidmont Subdivision from Mt Gilead to Charlotte. Submitted for FY 2018: Bridge rehab at 348.8, 353.5, 366.9, 353.8. Upgrade switches at 55.1 & 367.9. Upgrade storage tracks at 33.6. Facility at 33.	\$ 1,404,321		\$ 904,321.00			\$ 500,000		
Cumberland Hoke	AR	AR	Rail Replacement, Ties, Surfacing, from MP 0.2 to 20 from Fayetteville to Aberdeen.Submitted for FY 2018: Rail replacement from 28.15 to 28.95.	\$ 3,921,808	\$ 900,000	\$ 321,808.00	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000	
Alexander	ARC	ARC	Construct new Transload in Taylorsville. Submitted for FY 2018: Upgrade of Statesville Yard.	\$ 1,930,339		\$ 930,339.00				\$ 1,000,000	
Gaston	P&N	NCDOT	Construct a new Siding for Superior Carriers Transloac	\$ 4,740,000	\$ 600,000	\$ 4,740,000.00					

North Carolina Department of Transportation Rail Division  
Freight Rail and Rail Crossing Safety Improvement (FRRCSI) Capital Plan

SFY 2018-2022

Counties	Railroad	Railroad	Description	Total Estimated Cost (Millions)	SFY 2018	SFY 2018 Acutal Submittals	SFY 2019	SFY 2020	SFY 2021	SFY 2022	Comments
Lenoir	GTP	NCDOT	Construct new Interchange Track	\$ 1,000,000	\$ 1,000,000						No project submitted.
Carteret	CLNA	NCSPA	Demolish and rebuild west lead track	\$ 700,000		\$ 700,000.00					
Columbus	RJCS	RJCS	Welding of jointed rail	\$ 822,800		\$ 822,800.00					
Swain	GSMR	GSMR	Rail replacement from 83.3 to 84.8. Replace ties from 47-87. Rehab out of service track from 88.01 89.01.	\$ 1,255,809		\$ 1,255,809.00					
TOTAL				\$ 160,232,950	\$ 13,420,250	\$ 14,575,050	\$ 45,814,600	\$ 30,492,100	\$ 31,053,600	\$ 27,473,100	
TOTAL NCDOT PORTION INCLUDING ADMINISTRATION CHARGES						\$ 5,960,000					

NOTE: Totals shown on this page are reflective of the overall project cost and not the NCDOT portion of the contribution, which may be up to 50%

Crossing Consolidation

Rowan	NS/NCRR	NS/NCRR	Construct alternate access roadway for closure of at-grade crossing of Henderson Grove Church Road in Salisbury	\$ 500,000	\$ 500,000	\$ 500,000					
New Hanover	CSX	CSX	Wilmington TSS Signalization improvements and Crossing Consolidation	\$ 11,000,000	\$ 2,000,000		\$ 3,000,000	\$ 3,000,000	\$ 3,000,000		Project in STI for scoring. Potential funding.
Mecklenburg	NS/NCRR	NS/NCRR	Construct alternate access roadway for Stroup and Cochrane Private Crossing in Charlotte	\$ 1,500,000	\$ 1,000,000	\$ 1,500,000					
Union	CSX	CSX	Construct alternate access roadway to Helms Road for the closure of the at-grade crossing on Tory Path. Realign Helms crossing to align perpendicular with NC 75.	\$ 6,200,000		\$ 3,200,000	\$ 3,000,000				Project in STI for scoring. Potential funding.
Anson	CSX	CSX	Construct alternate access roadway for closure of at-grade crossing on Cowan Street in Lilesville	\$ 6,150,000		\$ 3,150,000		\$ 3,000,000			Project in STI for scoring. Potential funding.
Various	Various	Various	Crossing consolidation/signalization fund. Submitted for FY 2018: NS LED signal upgrades	\$ 2,300,000	\$ 500,000	\$ 300,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	
TOTAL				\$ 27,650,000	\$ 4,000,000	\$ 8,650,000	\$ 6,500,000	\$ 6,500,000	\$ 3,500,000	\$ 500,000	

Corridor Preservation

Various	NCDOT	NCDOT	Maintain corridors	\$ 1,250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	
Warren											
Northampton	CSX	CSX	S & SA Line Acquisition	\$ 4,000,000			\$ 4,000,000				
TOTAL				\$ 5,250,000	\$ 250,000	\$ 250,000	\$ 4,250,000	\$ 250,000	\$ 250,000	\$ 250,000	

Freight Diversion

Pender	NCDOT/	NCDOT/	W2CH- Rail Replacement, Ties, Surfacing, and Bridge Replacement at Smith Creek & Northeast Cape Fear River from Wallace to Wilmington	\$ 154,500,000	\$ 20,500,000		\$ 45,000,000	\$ 36,000,000	\$ 34,000,000	\$ 19,000,000	Project in STI for scoring. Potential funding.
New Hanover	CSX	CSX		\$ 2,000,000				\$ 2,000,000			
Various	CSX	CSX	A Line #20 Universal Crossovers Pembroke to CCX (2)	\$ 2,000,000				\$ 2,000,000			
Columbus	RJCS	RJCS	RJCS to CSX SE Line Planning and Engineering Design	\$ 2,000,000							
Brunswick	DOD	DOD	Construct Spur Track on off MOTSU Line and unloading Wharf on Cape Fear River for Siemens wide loads	\$ 7,000,000	\$ 7,000,000						Agreement needed with DOD before moving forward.
New Hanover	WTRY	WTRY	Construct additional Tracks to add capacity at Port of Wilmington Intermodal	\$ 1,250,545		\$ 1,250,544.80		\$ 2,000,000			
Mecklenburg	CSX	CSX	Construct additional Tracks to add capacity at Charlotte Intermodal Terminal Expansior	\$ 17,000,000			\$ 1,000,000	\$ 2,000,000	\$ 7,000,000	\$ 7,000,000	
TOTAL				\$ 183,750,545	\$ 27,500,000	\$ 1,250,545	\$ 46,000,000	\$ 44,000,000	\$ 41,000,000	\$ 26,000,000	
TOTAL NCDOT PORTION INCLUDING ADMINISTRATION CHARGES						\$ 635,000					

RIAP

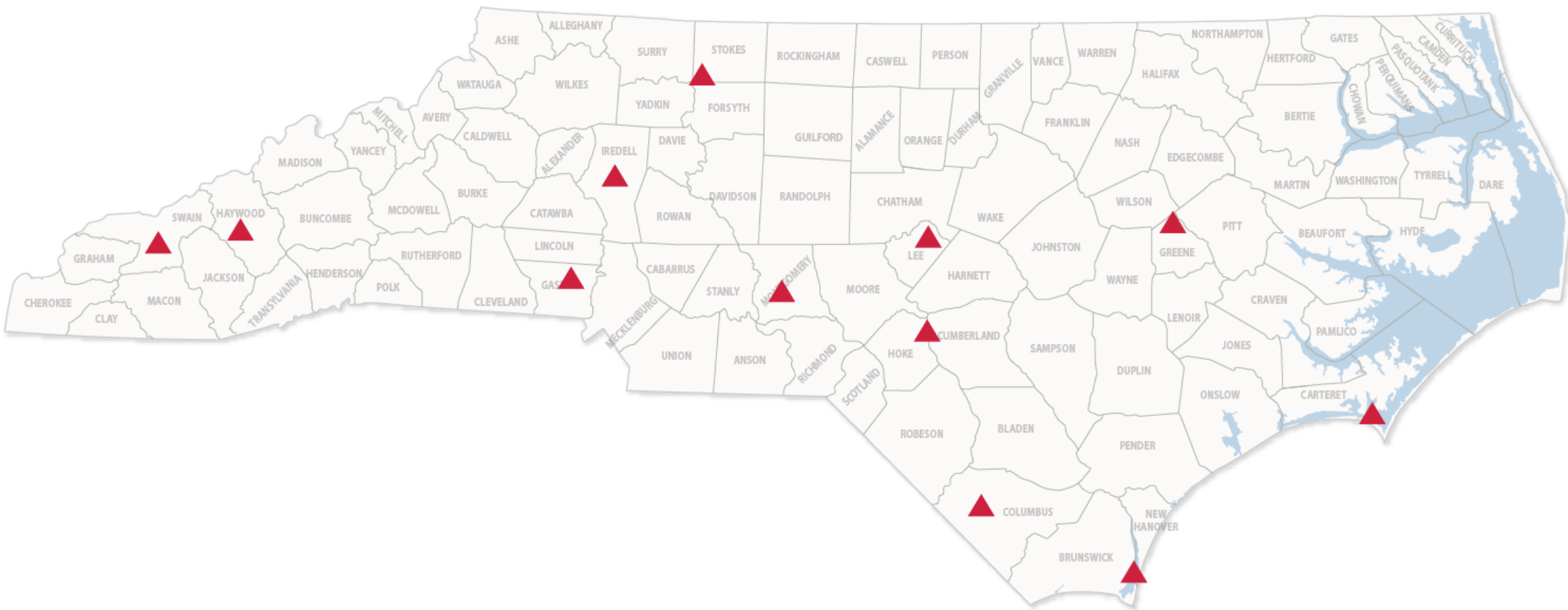
Various	Various	Various	RIAP contribution amount for economic development projects	\$ 12,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	
TOTAL				\$ 12,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	

GRAND TOTAL \$ 388,883,494 \$ 47,170,250 \$ 26,725,594 \$ 104,564,600 \$ 83,242,100 \$ 77,803,600 \$ 56,223,100

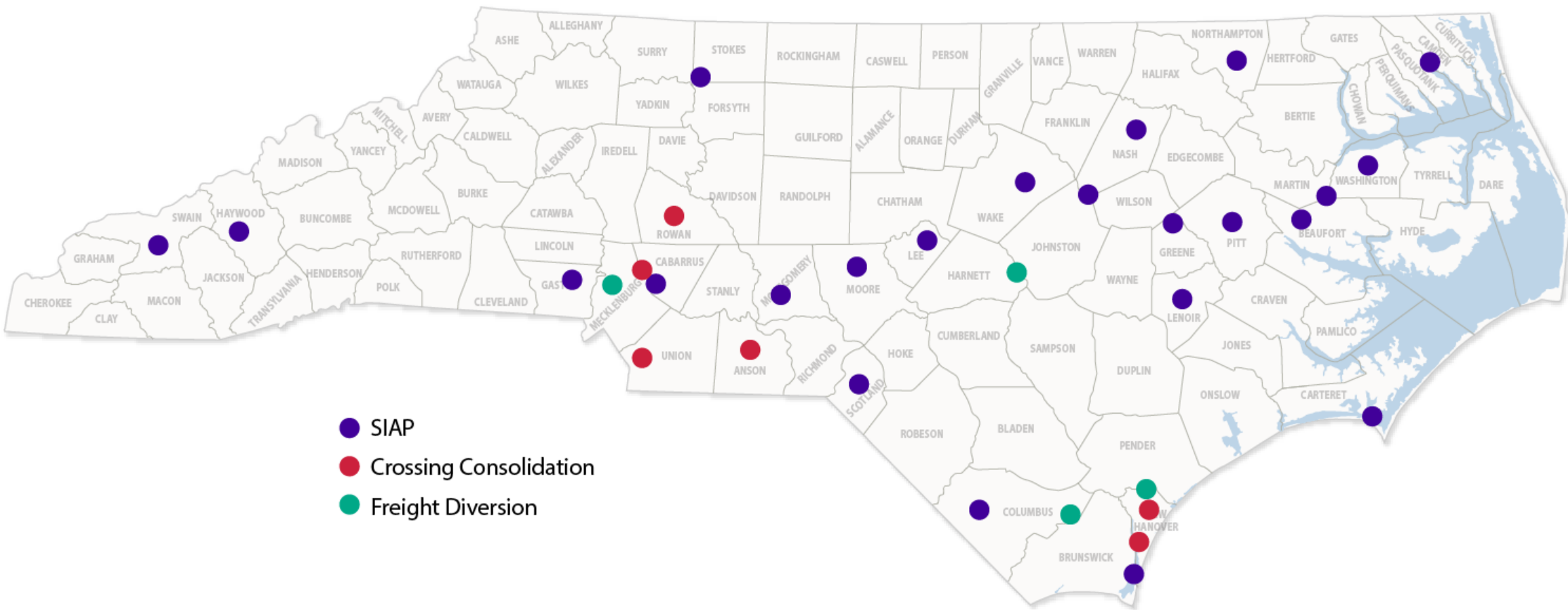
NCDOT SHARE TOTAL \$ 17,495,000

Disclaimer: Project schedules are subject to available state funding and matching funds.

# Short Line Infrastructure Assistance Program (SIAP) Projects – 2018



# Freight Rail & Rail Crossing Safety Improvement (FRRCSI) Projects 2018-2022



## Rail Industrial Access Program Projects, 2011-2017

